

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: Jack Ray <k4mzw@akorn.net>
Subject: (no subject)
Message-ID: <31F58C7B.7310@akorn.net>

TEST.....

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: bill@skeeter.frco.com (William Hawkins)
Subject: re: 12V to 6V
Message-ID: <9607191929.AA04794@skeeter.frco.com>

Nah, the easiest thing to do is to wire a motorcycle 6V battery in series with the radio. The radio sees 12 minus 6 volts, and the battery charges while the radio is playing. That's assuming that anything still works in that radio after 54 years of vibration.

Bill Hawkins (trying to see if theporch will post anything I send)

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: 3-500 Sockets
Message-ID: <199607230251.TAA07788@dfw-ix9.ix.netcom.com>

Can anyone tell me what 3-500 sockets
are going for these days?
Thanks,
Dave AB5S

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: W7FG <w7fgboat@eigen.net>
Subject: 40 CW w/BoatAnchors
Message-ID: <199607220442.XAA24472@newton.eigen.net>

I've been playing with my newly refurbished TBS-50D on 40 CW the past few weeks, and have been suprised at the lack of others being on with like period equipment.

Surely not like 80 Meter CW in the winter, where every few QSO's someone will be firing up, or at least familiar with the old Stuff.

Maybe it's the time I've been on? Any normal gatherings on 40 CW??

I've been getting on around 02:30 Zulu 7030-7050 KC., with my ether burner

at 20 Watts.

9:30 PM CDST

My signal is recognizeable by it's slight chirp and Freq. jump of .1 KC now and then.

73's Gary

[illegible]

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996

From: "Jim Berry" <basalop@eskimo.com>

Subject: Re: 40 CW w/BoatAnchors

Message-ID: <199607220755.AAA03892@mail.eskimo.com>

. Subject: 40 CW w/BoatAnchors

```
> I've been playing with my newly refurbished TBS-50D on 40 CW the past few weeks,  
> and have been suprised at the lack of others being on with like period  
> equipment.  
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> be firing up, or at least familiar with the old Stuff.  
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> at 20 Watts.
```

9:30 PM CDST

```
> My signal is recognizeable by it's slight chirp and Freq. jump of .1 KC now
> and then.
```

> 73's Gary

Hi Gary,

I'll be looking for you. I will give you a call, if I hear you, with my BC-375. I gaurantee I will out chirp you. In fact I have to keep my speed under 20 wpm or you won't even hear my dots.

73 Jim

Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)

Email: basalop@eskimo.com FAX: 360-659-1360

Ham Digital: K7SLI @ K7SLI.#NWWA.WA.USA.NA

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996

From: mack@mails.imed.com

Subject: Re:416B tubes

Message-ID: <9606228380.AA838050381@mails.imed.com>

Many of you replied either privately or on the list. I hope I thanked all of you privately.

This is a public thanks. Many of you pointed me to the approximate time frame to look for more information. I finally found all of the information in December 1962 QST. Once I get more organized (maybe in 20 years!) I will have indexes to look at rather than using the human kind.

Again, many thanks!

Ray Mack

WD5IFS

mack@mails.imed.com

Friendswood (Houston), TX

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996

From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>

Subject: ADMINISTRIVIA: What happened to theporch...

Message-ID: <9607230646.aa16559@jackatak.theporch.com>

Gang-

There are still 2,000 homes without electricity in the Nashville area... Phil's house was knocked flat Sunday afternoon, and power was not restored until about 0400 this morning, Tuesday, 23 July...

We can handle most everything, but the storm that came through Sunday afternoon was a doozie: very high winds, the storm cell at ground level, accompanied by lightning at ground level, and power went early... the storm was localized, and missed my home but nailed several to the north and west of here, and more to the south...

At any rate, the BA list is back up and functioning. Sorry we had no way to let ya'll know beforehand, but once we lost power, all we could do was quietly and safely shut down, and wait for the lights to come back on...

Evidently the good doctor was awakened about 04:00 this morning, and he restored service before going back to bed... his telephone was working, but it was bloody dark in his neighborhood...

Thanks for the patience.

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)
- - - BoatAnchor Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com ----- firebotl@jackatak.theporch.com

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Charles R. CHIP Veres 305-532-4515" <VERESC@mail.firn.edu>
Subject: RE: AM Modulation XMFR Info
Message-ID: <C663ZWKDN2E5F*/R=FIRNVX/R=A1/U=VERESC/@MHS>

Seems right to me. Your hook-up accounts for the use of 2 as a center tap, and also the extra current 2-3. Good luck!

Chip Veres
WB40QN
veresc@mail.firn.edu

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: george.rybicki@lerc.nasa.gov (George Rybicki)
Subject: AN/GRC-109
Message-ID: <v01510100ae192efce173@[139.88.134.25]>

I have a very nice shape GRC-109 special forces radio set that I am done playing with. It consists of
3 units in small armored (approx 8x10 inch) cases, a 75-205volt power supply(pp-2685), a 3-24 mhz receiver(R-1004)and a 3-22 mhz transmitter(T-784). I also have the matching set of 4000 ohm headphones, and a small 600 ohm speaker I made up for the unit. I will include a copy of the manuals for the unit and five 40M xtals for the TX.

The rx uses half a dozen 1 volt tubes 1T4,1L6,1U5 and the TX uses a 6AC7 and 2E26 and puts out

15 watts. The units were manufactured by Oklahoma Aerotronics and have a 1969 contract date. Everything here works fine, from the general condition I would say they were probably never issued but they do have some scratches on the outsides of the cases from kicking around.

I would like to trade the set for a general coverage RX military (maybe a R392?) or civilian receiver or may less willingly accept a cash offer.

Tnx George

All views expressed here are mine and not the official views of NASA or the US Government.

George C. Rybicki (KE8YX) Photovoltaics Branch NASA Lewis
Research Center
21000 Brookpark Rd. MS
302-1 Cleveland, Ohio 44135

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: bill@skeeter.frco.com (William Hawkins)
Subject: Re: Another Instance (a.k.a. SOUR GRAPES)
Message-ID: <9607191706.AA04471@skeeter.frco.com>

Email is an imperfect system. Heck, human beings are imperfect. Asking for perfection from the imperfect is a sure way to ruin your day.

Did anyone see my "Maturity" post yesterday, or did that get lost (speaking of imperfection)?

Regards,
Bill Hawkins bill@skeeter.frco.com

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Aussie needs RAD-9551 tester for GRC-106, has keys
Message-ID: <Pine.SUN.3.94.960722190604.20800D-1000000@coyote.rain.org>

Brian Clarke, VK2GCE, is looking for the RAD-9551 test set for the AN/GRC-106. It's a small box with RF meter to measure power going from exciter to amp, plus 2-tone generator. He also has a number of recent British military surplus CW keys, made around the early 80's,

for sale. He was bugging me so much about the mil collectors' meet in San Luis Obispo (should never have talked him into that ER subscription!) that I'm not certain how much he wants for 'em -- think around \$100 U.S. Will let you know what they're like when I get mine later this year <grin>. If you know where he can find the test set, please advise me. If you'd like one of the keys, he can be contacted at:

Brian Clarke, VK2GCE, 4 Veronica Place, Loftus, NSW 2232, Australia. For those with their own satellite phone links: 011-612-545-2650 at home or 011-612-699-8300 at work in Sydney. Bug *him* about getting that SCR-274-N stuff on the air!

73.....Ray Mote, W6RIC <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: BA AM SW station?
Message-ID: <199607221400.JAA13821@mail1.i1.net>

Greetings All,

Yep, been thinkin' and you know what that means. No AM brdcst on the BC348. Lots of other BAs of a mostly military variety in this same situation. We need an ultimate BA accessory. A SW brdcst station on say 2.6, 6 and 9.6 megacycles. 24 hours a day 7 days a week. Music from the 30s 40s and 50s and a little news without comment once in a while. Live people at real microphones with a bit of non confrontational banter. Hell we could even have a Saturday night show for the kiddies of old Wolf Man Jack tapes play some of that demon upstart rock n roll from the late 50s and early 60s.

I got a garage full of Toob receivers starvin to death. They are all malnourished. Bet you do too. Ever notice how when you start tuning around all that religical, politcal, psychotical, confrontational crap on the SW bands them filter caps start groanin and the toobs start to arc over and the couplers start to short out? Well, I figured it out that we are feeding our BA rxs the wrong stuff and they are simply pukin back at us. My SP600 was never designed to feed on that garbage. We need to figure out a way to get these babies some "solid" food. Not this genuine artificial imitation radio broadcast crap. Know what I mean?

Just a thought. Know what I mean?

73 de KS0F Mike

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996

From: mack@mails.imed.com

Subject: BA Car Radio and Diodes

Message-ID: <9606228380.AA838061481@mails.imed.com>

I just saw somwone post the *best* answer to the question. I was really surprised that my brain hadn't clicked on it yet.

Someone suggested putting 10 or 12 diodes in series to drop the voltage. This is the right direction but the wrong answer. The right answer is use * quantity 5* 1N3208 diodes from Digi-Key. These are \$3.00 and change each.

One thing that they don't teach you in electronics school is that silicon diodes have an *exponential* V-I characteristic and that while it is almost vertical it is not quite vertical at 0.7V. *All* silicon diodes drop considerably more than 0.7V when you start drawing amps through them. The above mentioned 1N3208 diodes drop 1.5V when passing 15 Amps. They will probably drop about 1.2 V when passing the desired 8 amps in the old car. Just be sure to use the insulating mounting hardware when you put it on the heat sink and fuse it well.

On a related subject, I was reading QST from 1962 and saw some ham rigs (Hallicrafter) that touted using 7 diodes. 2 were power rectifiers and the rest were signal diodes. The question is was this approximately the time that manufacturers started to switch? Of course even in 1970 Heath *still* used a 6X4 in the HR10B.

Ray Mack

WD5IFS

mack@mails.imed.com

Friendswood (Houston), TX

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996

From: Pete McCollum 22-Jul-1996 0959 -0600 <mccollum@ssdevo.ENET.dec.com>

Subject: BA findings / questions

Message-ID: <9607221600.AA01054@us3rmc.pa.dec.com>

Hi gang,

I got a bunch of new trinkets at our local swapfest this past weekend, and I have a few questions:

R-32/ARC receiver - looks like a VHF Type 12 box, but it's not in my Type 12 book. It's got a screwdriver-adjust squelch adjustment on the front panel. It's in like-new condition, but it has no ID plate (the holes for ID are there, but the gray krinkle-paint is still untouched in the holes). The

marking "R-32" was stamped in ink on the bottom panel. It has only one multi-pin connector on the front, instead of the three that are on the normal Type-12 boxes. What exactly is it?

R-13B/ARC receiver - same description as above, but no squelch adjustment (in it's place is the "ARC" emblem).

Dare I hope that these are some sort of 'clandestine' aircraft rcvrs???

R-4A/ARR-2 receiver - resembles an ARC-5 rcvr, appears to tune 34-58 mhz (is that right?). Is it AM? What was it's application?

BC-1033B receiver - a small box with 3 tubes in it. It has a relay that closes when a certain signal is received. What type/freq of signal?

BC-212 interphone amp. - what was it used in/for?

BC-442-AM antenna relay - what was it used in/for?

Other stuff I picked up:

VT-1 tube (paid \$5)

TS-127 freq. meter, 375-725 mhz. It's like a more-modern BC-221. (\$2)

R-28/ARC-5 VHF rcvr

T-??/ARC-5 VHF xmtr

51006A mic

TS-297 VOM (\$1)

SB-329/ARC-44 control

HS-33 headset (\$2)

Brush crystal headset (\$1)

A 701 tube - it's about the size of a grapefruit - what's the rating?

A 803 tube

A whole bunch of other tubes

Two BC-1206 rcvrs, \$1 each

Thanks for any answers to the above questions,
Pete

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996

From: integrat@usr.com

Subject: Re: BA findings / questions

Message-ID: <1F4D7260.@usr.com>

> R-4A/ARR-2

This thing looks like a command receiver, but really is a completely different animal. It is part of a secure navigational aid invented in the late 1930's in response to the poor aircraft DF methods of the day. The system is based on a slowly rotating, very directional beacon installed on an aircraft carrier or airfield, that sends out a thin beam of Morse letters in a predetermined, coded sequence. A pilot could tune into a beacon, and by listening, determine his position relative to it.

To make the system secure, double modulation is used. The Morse codes

are used to modulate a broadcast band carrier, and the resulting signal is then used to modulate the VHF carrier. The result is a fairly complex signal that can only be used by demodulating the signal twice - something not standard in the enemy's search receivers. The R-4A/ARR-2 can do the double demodulation, and present the Morse codes to the pilot.

The dial is very misleading - put a "2" before every number and you will see its true tuning range, just at the top of VHF. This system was considered "Confidential", and rightly so - if the Japanese discovered the double modulation, the whole system would be VERY dangerous for us to use. It remained in use a bit after the war, eventually being replaced by TACAN.

I am looking for more parts to this whole system. I could really use a control unit and frequency meter for the YG transmitter, as well as _any_ bits of the large YE transmitter.

I hope this message does not get posted with garbage, as did my last. Sorry.

William Donzelli
integrat@usr.com

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: kenc@smartdocs.com (Ken Corwin)
Subject: Re: BA findings / questions
Message-ID: <199607231626.JAA23518@warp10.smartlink.net>

Hello, Pete -

The A.R.C. R-13B receiver is a component of A.R.C.s Type 15C and Type 15D VHF Navigation Equipment. As the R-445/ARN-30, it is also a component of the military AN/ARN-30, -30A, -30B, and -30C Receiving Sets. These are AM "nav-comm" receivers that manually tune from 108 mc to 135 mc.

The A.R.C. R-32 receiver is a component of A.R.C.s Type 15E VHF Navigation Equipment and MIGHT be a component of the military AN/ARN-30 series of nav-comm equipment. The A.R.C. R-32 is equipped with an audio squelch circuit and uses an 0B2WA instead of an NE-2 voltage regulator. With these exceptions, it is almost identical to the A.R.C. R-13B receiver. The R-32 is the last "coffee grinder" made by A.R.C.

The six-pin socket on the front of these receivers is used to provide high and low voltages to associated transmitting equipment, such as the A.R.C. T-11 and T-13 series of VHF transmitters.

I would say these receivers were ubiquitous rather than clandestine.

Regards,

Ken Corwin (kenc@smartdocs.com) Santa Clarita, Calif.

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996

From: "Dave Gow" <dgow@slc.shorelin.wednet.edu>

Subject: BC224F

Message-ID: <1374050617-993925@slc.shorelin.wednet.edu>

I have a very nice BC224F HF receiver that appears to be a forerunner of the BC348 but with older tubes. Does anyone have information or manuals for this receiver?

Dave
KB7XZ

Dave Gow
Yacht "enterprise"
21819-97 Ave. West
Edmonds, WA 98020

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Dave Gow
Yacht "enterprise"
21819-97 Ave. West
Edmonds, WA 98020

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Re: BC224F
Message-ID: <Pine.OSF.3.91.960723095119.31187C-100000@gaston.tenet.edu>

The BC-224-F is the 12 Volt version of the BC-348. I have a manual and can copy it if you need a copy. However, even though it is clearly titled for the BC-224 and BC-348, it only has schematics for the BC-348 - no info on the BC-224. I don't know whether they just rewired the filament string, changed tubes to 12 Volt versions or what.

I'll get it out and see if I can figure out anything more. Let me know if you need a copy.

Lenox, WA50VG

klccarru@tenet.edu

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: afpgreg@state.me.us (Paul V. Gregory)
Subject: Brunnell Key
Message-ID: <199607221302.JAA18256@gatekeeper.ddp.state.me.us>

Ahoy,

A local antique store has for sale a Brunnel straight key with a sounder mechanism. Lotsa brass. All on a wooden base with a metal Brunnel badge showing model number and the letters "O-H-M" engraved. Pretty rough shape but looks complete.

The store's price is \$75.00. I don't collect keys (my J-38, J-37 and Vibroplex bug are all the keys I'll ever need) but I thought I'd pass this info along FWIW.

73 de KB1AOC, Paul
email: afpgreg@state.me.us

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: hagelin@magi.com (Richard Brisson)
Subject: Canadian Military C & E Museum
Message-ID: <199607220046.UAA05675@istar.ca>

BoatAnchorites -

In mid-May, I had sent out a note on the opening of a new museum in Kingston (Ontario, Canada; off HWY 401) called the Military Communications and Electronics Museum.

I visited it again (briefly) on Friday and have obtained more info on its hours:

Free Admission, Guided Tours, Conference Room, Free Parking
8:00 a.m. to 4:00 p.m. Mon-Fri
10:00 a.m. to 4:00 p.m. Weekends & Holidays (Summer only)
Other times (By appointment)

Phone: (613) 541-5395
Fax: (613) 541-4489

Of course, I spent most of my time revisiting the crypto centre and the wireless/telephony section.

I had a most interesting visit at the local McDonald's (yes we have those in Canada; aren't we lucky) and as the family was sitting down, what is it that spot in a display case ? An M-209 and its manual !!! Upon further inspection, I also saw a tribute to ULTRA and CAMP-X ! My esteem for this McDonald's went up a "notch" or two given its display/tribute to crypto !

Richard.

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: cleaning aluminum
Message-ID: <199607220017.TAA23317@dlep1.itg.ti.com>

At 10:18 AM 7/21/96 -0500, J. Lee Smith VE4ANC wrote:
>... anyone have any suggestions on
>how to properly return them to like new gleam?

Sure, it's easy. A "Pink Pearl" eraser has just enough abrasive to produce a very nice polished effect. I did this with solid aluminum knobs for an Eico 753 transceiver which had knobs which looked awful. After polishing, the knobs went from unredeemable to looking like new. What I did was spin the knobs into the eraser using a hand drill at low speed. It's important to use low speed, but otherwise it's a non-critical process. You'll know when you spin too fast as the eraser will begin clumping up.

BTW, I've found that the eraser trick works pretty good on salvaging other polished aluminum parts as well, although it's a bit trickier since you have to carefully rub along the established "grain".

Other substances you might also want to try for polishing aluminum are "jeweler's rouge" and aluminum/mag wheel polish available from any auto parts store.

Regards,
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: cleaning aluminum
Message-ID: <199607221501.KAA03126@dlep1.itg.ti.com>

At 07:45 AM 7/22/96 -0400, Dave Knepper wrote:
>Bill, now for the "64 dollar questions. How do you get the special
>swirls back into inserts such as those used by Heathkit and Collins, once
>they have been buffed away.

Dave, that's pretty much automatic if the swirls are concentric (which is about the only way I've seen them on knobs, although I don't have any Collins gear). The "Pink Pearl" eraser is very lightly abrasive and recreates the swirls. The one set of knobs I did this on looked truly professional afterwards. I'd recommend doing a complete set of knobs as even slight differences in the surface would be quite noticeable on polished aluminum.

BTW, inspiration for this came from a phone conversation with the guy who makes inserts for the Collins knobs. (I forget his name, now.) He couldn't supply me with new inserts but recommended I do my own using a very mild abrasive. I happened upon the "Pink Pearl" eraser, although other erasers could be used with varying results. I'd be reluctant to use very fine steel wool or even very fine emery cloth for fear of too much abrasive action.

>By the way, do you remember the film, "The Lone Eagle" starring Jimmy
>Stewart where the mechanics in Saint Louis where the plane was built used
>a drill to make those distinctive swirls in the cowling of the engine?

I seem to recall the movie, but not that part of it. Do you remember what
they used for the abrasive?

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: wb6zwc@ns.net
Subject: clicking noise(30db over 9)
Message-ID: <199607212018.NAA09670@tomcat.ns.net>

Hello Gang:
Long story in short form: recently installed new Heat Pump air
conditioner. Lots of noise. Located source in outside unit in
the form of a 24 volt relay. Suspect contacts are arcing. Can
tap with screw driver to make noise stop or start.

Question: should I bypass contacts with some .01 mfd caps or
should I replace relay or both?

Any experience here?
=====

Wanted 312-B3
Richard@Sacramento,Ca.

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>
Subject: Re: clicking noise(30db over 9)
Message-ID: <960722004409_102452.362_DHT30-1@CompuServe.COM>

Sounds like the contacts are not closing tightly. You might try stretching the springs that hold the relay open when it is not activated. Another suggestion is that the contacts may be arcing because they need cleaning or filing.

Regards,

Andy Howard, WA4KCY
AMI #9
Carrollton, Georgia

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: Steve Ellington <n4lq@iglou.com>
Subject: Re: clicking noise(30db over 9)
Message-ID: <Pine.GS0.3.93.960721205807.9908A-100000@iglou2>

> tap with screw driver to make noise stop or start.
>

Install solenoid to control screwdriver with remote switch near rig.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Charles R. CHIP Veres 305-532-4515" <VERESC@mail.firn.edu>
Subject: RE: clicking noise(30db over 9)
Message-ID: <C658ZWKDNKF8H*/R=FIRNVX/R=A1/U=VERESC/@MHS>

So I'm cheap. Can you CLEAN the contacts? Maybe save the price of a new relay? Then, the .01 caps sound like a good idea. Or put a 47 ohm resistor in series with the .01 and put the whole deal across the contacts.

Chip Veres
WB4OQN
veresc@mail.firn.edu

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: KWDouglas@aol.com
Subject: Re: Collins 51N7 WWV rx?
Message-ID: <960722093925_581978728@emout14.mail.aol.com>

>>Subject: Re: Don's story

```
>>
>>an upcoming public auction, from the estate of Bob Boller, N0RB, silent
>>key.
```

>>

>Gee. Never heard of this one! Anyone on BA have one
>of these?

I have a Collins 51N-2B. It is a fixed frequency, xtal controlled, HF, all tube receiver. It used different sets of shielded plug-in coil sets to cover differing portions of the HF spectrum. The one I have has a 1.2 kc wide mechanical filter. It was removed from inter/intra state police CW net service about 30 years ago. I was told that this series was also sold for commercial HF CW, Teletype, & AM circuits (with different mechanical filters, naturally). Is it possible that the 51N-7 was a late upgrade to that series??? Or did the auctioneer just misread the "2" as a "7"??? I dunno. If I get to the auction, then I'll know.

Kent, K9JCR
KWDouglas@aol.com

Hi there bottle burners.. Looking for pinout and electrical data for the following CRT's.. 5BGP2 and 5BHP2A

Rod Pears 6062 8th line, Hillsburgh, Ont. N0B1Z0

Orton Communications / Comp-Ro Refrigeration
Amateur Radio Callsign VA3RP - AMI # 709
E-mail orton@sentex.net
Looking for a (RF Gain knob) for a SX-28A

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Deoxit
Message-ID: <UPMAIL03.199607212240410023@msn.com>

Phil,Ben or gang, were can I buy deoxit in Houston.
Thanks in advance
Al
fritsche@msn.com

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: "Paul Fischer" <PFF@bfs.uwm.edu>
Subject: Drake tr7, collins klm2 and heath sb220
Message-ID: <17949A603D@bfs.uwm.edu>

Greetings,
I would appreciate it if those of you "in the know" would help me out. I have run across the above equipment and need an idea of what is a fair price(a range would be better since it would depend on the condition). Thanks alot.

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: tomrice@netcom.com (Tom R. Rice)
Subject: dumb HRO question
Message-ID: <199607211923.MAA06912@netcom16.netcom.com>

I've always wondered why National put a switch on the S-meter on these receivers. I've never seen that done anywhere else, National or otherwise.

If someone could explain the rationale behind this, 'twould save me many a sleepless night ;-)

tnx & 73 de WB6BYH

--
"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice
tomrice@netcom.com
CIS: 71160,1122

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: tomrice@netcom.com (Tom R. Rice)
Subject: Facsimile Manuals Giveaway!
Message-ID: <199607221624.JAA26786@netcom17.netcom.com>

I have two NAVSHIPS manuals for facsimile equipment:

1. NAVSHIPS 91854
Instruction Book for Facsimile Transceiver
TT-66A/TXC
and Rectifier Power Unit
PP-86D/TXC-1
Times Facsimile Corp. March, 1953

2. NAVSHIPS 93158(A) (Non Registered)
Technical Manual for Recorder Set, Facsimile
AN/UXH-2
Times Facsimile Corp., New York
Contract NOBSR-71661 8 July 1958

I can't imagine anyone having the slightest interest in these beasts, but I refuse to trash anything "technical", so they are available to whomever's willing to pay the cost of mailing.

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice
tomrice@netcom.com
CIS: 71160,1122

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: FLAGSTAFF FEST REPORT
Message-ID: <199607221242.FAA10153@dfw-ix1.ix.netcom.com>

The 1996 Ft. Tuthill hamfest in Flagstaff, Arizona is in the books and it was a dilly. People seem to be

over the sales-tax boogieman scare as attendance was back up near its historic level.

Diving in those nasty, moldy old boxes paid rich rewards. I found several things that convince me there is a loving God in heaven that still does miracles....like the NOS TS-78A dummy load for my ARC-1, a wrecked J-26 with all the parts to fix-up my old Vibroplex warrior, the NOS in the box WW-II USAAF headphones with live, soft rubber and baseball-glove new leather and the proper extension cord, and a NOS Signal Corps 1944 Simpson Volt-Ohmmeter with book and leads, and oodles of needed small parts. I was looking for some 6AK5s to go in my ARC-1 and found a tube dealer who had factory matched pairs new in the factory box (two tubes per box) for 50 cents a pair. I bought 20 pairs.

There were plenty of our beloved ironclads around and most were kinda high, but negotiable. There were only a few of the old olive drab and black wrinkle war vets. There are fewer every year as the collections of packrats who didn't prepare go to the dumpster. Of course, I was only there for friday and saturday. Some guy with a trailer load of R-390s for \$50 probably came in Sunday and gave it all away, right?

I saw one badly trashed Command set in a worse trashed single rack. It was being used as a VFO for a CE-10. There were two BC-348s. One with filaments rewired for \$75 (naaaaaaaaaa) and one hacked, whacked, drilled and raped for * \$180 * (I'm still laughing at that price). There was a very nice matched-serial number TCS-14 set with cables and books that sold for \$150. That was a good catch. My big miss was an APR-4 with TN-17 and TN-3 tuning units, shock mount and connector. He wanted \$150 for the set so I passed, thinking "no way he'll come down low enough." Someone came right after me and offered \$50 and he said "OK!" WAAAAA!

There were a couple of very refreshing changes from last year. I didn't see any of the pre-dawn key dealer hit men combing the place for the very last broken J-38. Maybe the key mania has died? Nor did I notice some "collector" piece go from table to table, getting more and more expensive. And most refreshing of all: very few "collectable" pieces with hi-gloss polish and higher-gloss price tags. Just lots and lots of good condition boatanchors. Here's a sampling. Multiple prices means I saw more than one unit:

Collins (very few pieces this year):
KWM-2A no PS \$250
KWM-2A w/PS that plugs in back, \$525
30L-1 Amp \$525

Drake:
2B \$125
T-4XC \$275 (hooo hoo ha ha!)
TR-4C/MN-4 \$250
SPR-4 \$200
TR-7 \$1000 (snicker)
L-7 Amp *no ps* \$1000 (gales of laughter)

Hallicrafters:
HA-6 6 meter transverter, with manual and PS.
SR-46/SR-42 6-n-2 meter transceiver
pair w/HA-26 VF0, package deal \$125.
HT-37 \$100, \$150.
HT-32 \$175
S-85 \$100
Skyrider Defiant \$50
Sky Champ \$100
SX-117 \$95
S-120 \$20, \$30, \$45

Heath:
Warrior \$200, \$500
Lots of Sixers and Twoers for \$20-\$45
AM-2 \$5
HM-102 \$10, \$20
HW-16 \$60, \$90
HR-10B \$40
HW-7 \$85
HW-9 w/ tuner and books \$185
HW-12 w/AC PS \$75

Others:

Hammarlund 105 TR \$75
Galaxy 200 w/console and books \$100
CE-10B w/ zombied ARC-5 VFO \$85
B&W 5100 \$300
NC-188 \$90
Clegg 99er \$50
Viking II \$150
Valient 1 (nice) \$350
Echophone Commercial \$15
NC-300 w/ spkr \$200
HRO-50T w/all coils nice \$450

As always, a great fest.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Dee C. Almquist" <soundnmind@rica.net>
Subject: FS 6146 s
Message-ID: <19960723143356244.AAA164@har-dialin-14.rica.net>

Hi Gang.

Perhaps someone is in need of new 6146W s. Prices are less than advertised by large companies.

Please reply directly to my E-mail or fax-phone.

Dee, W4PNT hamshack phone: (540) 249-3161 Fax: (540) 249-5064

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Dee C. Almquist" <soundnmind@rica.net>
Subject: FS HAMMAR HQ-150
Message-ID: <19960723145556913.AAA138@har-dialin-56.rica.net>

BA Folks...

I found a super clean Hammar HQ-150 that works well. I havnt touched a thing yet (not enuf time in the day, hi) but radio and cabinet will be clean and serviced. S meter works, with Q multiplier, panel nice. \$250. shipping neg. Please reply directly.

Dee, W4PNT

Patty & Dee's marina, collectors of boatanchors.

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
Subject: FS: Heathkit DX-60 with VFO

I have an excellent condition Heathkit 60 with VFO , \$100 plus shipping.

Rick Yerke

42 Williams St.

P.O. Box 392

Moscow Pa. 18444 Phone# (717)842-4857

Rick.Yerke@ncx.com

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Heathkit DX-60 with VFO
Message-ID: <88948.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Rick Yerke <Rick.Yerke@ncx.com >
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: Sell Collins Kwm2a RE
Message-ID: <87569.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: Guy Quartarone <guy.quartarone@channel1.com >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Getting out broken if slugs.
Message-ID: <UPMAIL03.199607212240420315@msn.com>

Gang , last message from me tonight. In the little HQ-145 I now have atleast to slugs that have split, both on bottom adjustments. I would hate to unsolder and pull just to replace.

My idea is this, get a drill bit a little bigger then the top hole of the if can and ream out the hole very carefully until the slug will unscrew out of the can. Has anyone else done this before?

Can't see that it would matter electronically or aesthetically.

Your Friend Al
fritsche@msn.com

From: boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Getting out broken if slugs.
Message-ID: <199607220000.TAA21543@dlep1.itg.ti.com>

At 05:43 PM 7/21/96 -0500, you wrote:

>

>My idea is this, get a drill bit a little bigger then the top hole of the if
>can and
>ream out the hole very carefully until the slug will unscrew out of the can.
>Has anyone else done this before?

Al, I assume you're talking about powdered cores. In my experience, the real trick with powdered cores is to keep them from breaking. Once they've been broken, it's real easy to continue the process. ;-) An ice pick or small screwdriver will allow you to push the fractured pieces toward the center and away from the form which could be damaged. I've done this before and it only takes a minute or two. I'm not sure I'd mess with drilling, but let us know how it works out if you do.

Regards,
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Re: glass lenses
Message-ID: <Pine.SUN.3.94.960720160028.16175B-1000000@coyote.rain.org>

--IMA.Boundary.077040838--

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: pmills@cyberhouse.com (Phil Mills)
Subject: Heath SB-401 For Sale
Message-ID: <199607221732.MAA28477@ns.cyberhouse.com>

I apologize if this is a duplicate message but my internet provider has been having some problems and I did not receive my original post.

I have a Heath SB-401 transmitter in very good condition with all crystals and original manual for sale for \$150 including shipping in U.S.

thanks,
Phil

Phil Mills, AB5TH
pmills@cyberhouse.com
713-992-5762

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: pmills@cyberhouse.com (Phil Mills)
Subject: Heath SB-401 for sale
Message-ID: <199607221341.IAA27608@ns.cyberhouse.com>

I have a Heath SB-401 transmitter in very good condition with all crystals and original manual that I will sell for \$150 including shipping in U.S.

thanks,
Phil

Phil Mills, AB5TH
pmills@cyberhouse.com
713-992-5762

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: Help HRO id/Wash, MO fest
Message-ID: <199607211909.0AA07854@mail1.i1.net>

Greetings all,

The normally great old time style Washington, MO hamfest got rained on badly today. I saw a lot of BA stuff but was unable to get a good fix on anything as most of it was covered for almost the duration.

I met Bob Roth W0DFK as we had previously arranged and we transferred ownership of two receivers from him to me. One was a little Radio Shack DX160 with matching speaker and the treasure was a BC348Q by Wells Gardner in good condition with ac supply stuffed in the usual spot. Everything is there and is original other than the power supply. It works well and will clean up nicely.

There is an large pavillion at this fest of good size and they always sell table space here. About the only gear to be seen well was here today.

A BA type fella caught me and said he had spotted an old HRO. I asked if it was gray or black. He said black and I said show me. It is some variation maybe military of the HRO and looks closer to the Variation 4 in Moores book than any other. However it has round if cans and toggle switch for the meter. The main tuning dial is not bakelite but looks to be pot metal painted black. There are two more controls on each side of the main dial above the coil deck. They are skirted controls. The one to the right of the main tuning dial seems to shift the frequency and the one on the left seems to peak the signal. The if strip has been modified with five (4 added) miniature tubes. This is a regular cabinet model not rack. The coils are no help. I got five. Four of them have the green yellow stuff on them and are marked with general coverage freqs on the sides. (Black stencil) One is just plain aluminum and is the 7-14 meg general coverage and the 20 meter bandspread. The others are modified to bandspread on the hambands only 80, 40, 15 and 10. They are all standard HRO 5 type coils with the chart windows as normal. I think the 4 coils were the Jr type coils with no bandspread just general coverage. The power supply looks professional but is not a doghouse type. No markings on it. Anyone in BA world got any idea on what I have here? BTW it works fine and will clean up nicely. I have not pulled the bottom plate off it yet but could the tube mod be factory or maybe depot instead of hammd.

Thanks in advance. If the rain had held I think Washington would have been a great BA fest. Oh well, I am happy with my plunder.

73 de

KS0F

ks0f@i1.net

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Douglas Palmer Jedi" <palmerdo@plhp002.comm.mot.com>
Subject: Help on Archives Retrieval
Message-ID: <9607231036.ZM12592@plhp451.comm.mot.com>

I am trying to retrieve an article that was in boatanchors digest #780.
I assume that I have to first access the boatanchors archives, but the
"boatanchors help" file seems to be of no real help. I just don't understand
these cryptic commands in the help file.

Would someone be kind enough to tell me the commands I need in order to get the
files I'm looking for? I would really appreciate it.

Thanks,

Doug, KF4GI

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: HG-10 VFO + HW-16
Message-ID: <Pine.GS0.3.93.960721124314.29007A-100000@uhunix5>

Is the HG-10 VFO compatible with the HW-16 xcvr? If so, does anyone
have a "spare" HG-10 they'd like to sell?
Jeff KH2PZ / KH6
dit dit
NNNN

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: sinned@VNET.IBM.COM
Subject: Homebrew Neutralizing Caps
Message-ID: <m0uiQSV-000CxLC@knuth.mtsu.edu>

I have used the steel 2" hardware store bumper washers in my last
three HB xmtrs with good results. Some hints for use:

1. Use a large drill bit or countersink tool to bevel the center
hole to allow a countersink screw (flat head type) to mount
the washer to the porcelain or nylon standoff.
2. Use a good fiber or nylon washer between the standoff and the
lug-disk surface of the bottom half of the unit.

3. Add a disc cermic capacitor in series with either of the neutralizing surfaces to protect the tubes in case of accidental shorting of of neutralizing cap. I use a .001 at 3x plate voltage for this. This won't prevent a continuous short from melting the tube due to excessive grid drive, but it will give you a chance to notice excessice plate current if your lucky. Without the protective Cap. the tube internals vaporize instantly.
4. The California handbooks have a formula for capacitor value-vs-size-vs-gap that gives predictable results. For example, if you need 2.8uuf you end up with 2" washers spaced about 1/3 inch apart, a good gap distance for 1500v CW only operation. If you are taming 811's for example, you'll need a larger washer, cuz 811's have 5.5uuf grid-plate internal capacity.

Good Luck and don't forget to cross-connect the things in a push-pull rig.

Dennis W5FRS

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Joseph W. Pinner" <kc5ijjd@dns1.net-connect.net>
Subject: HP-13 12 PS Wanted
Message-ID: <199607211933.0AA31158@dns1.net-connect.net>

I am looking for a HP-13 Heathkit12 VDC moble power supply (for the SB-100, -110 etc).

Anyone out there have one they are willing to part with?

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijjd@net-connect.net or kc5ijjd@aol.com

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: John Shriver <jas@shiva.com>
Subject: Re: HQ Clock Covers, bad news
Message-ID: <199607221351.JAA29876@shiva-dev.shiva.com>

Check into the model airplane hobby journals. They used to make refills for the Vac-U-Form. There are also services that do this, including for larger items. Particularly popular for making the

cockpit bubbles.

The Vac-U-Form was pretty small, 3" x 4" or something like that. Not sure that would be big enough for the HQ clock covers.

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: HQ-145 Almost rides again
Message-ID: <UPMAIL03.199607212240390791@msn.com>

gang, got T5 in and proceeded to align on the 3035kc path. Nuts, no dice. WTH. Got the old meter out and checked every dam connection associated with bandswitch and the Mixer transformer. Everything looks good. Tried realigning from scratch. Again could not get output to change gain from T5 on 455 or 3035kc. Unsoldered the 22mmf between pins 1 and 4, no change. put two p-clips between the 2 and gain jumped up. Got a silver mica at 23mmf and soldered down between the 2. now can atleast get the 3035kc's thru the receiver. Now the 455kc section isn't doing any change all thru its adjustment range. What the heck did I do bad in my past to deserve this. I am about to wear out the connections on T5.

Decided to give up and look over the schematic again more closely. Could not see anything wrong with the wiring.

Before I went in for the day, I said lets give the band switch a better cleaning then I already had. left on the broadcast band of a weak station and started to squirt.

When I hit the ant part of the bandswitch the signal doubled.

Got the mag glass out and all seemed to be fairly clean. but as it cooled down, so went the signal.

A classic case of a dirty bandswitch or horrors a untempered contact.

More to come to bore you.

Your friend Al
fritsche@msn.com

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: Andy Wallace <wallace@mc.com>
Subject: HQ-170 (sparky) lives again
Message-ID: <9607221149.AA08900@taku>

Well, I got the alignment right on the 170 yesterday.
I used a loop of wire around the URM-25D output

wire, fed into the antenna jack of a digital receiver.
Using that to zero-beat was workable and made sure
I was on frequency.

The filters are now tracking properly.

My IF can repair and substitution of discrete
caps for the integral micas in the base HAS
worked. The alignment was my fault; it was
working before I messed with it and the
discretes were working fine.

This should get easier if I get a real counter!

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: HRO again
Message-ID: <199607220258.VAA04060@mail1.i1.net>

Greetings All,

After some further closer looking at the old HRO I have found that
I believe it is a variation 4 of the original HRO. Only exception is the
metal main dial. The S meter switch appears to be a replacement.
The two additional controls on front although they look very good are
probably part of the if chain mods. They have regular National skirted
bar knobs like the others. Both are 0 to 10 on the skirt over 180 deg.
But of course being air variables rotate continuously.

Does anyone know of the whereabouts of the common if mods
done to these receivers? I have in front of me the list of articles that
were compiled by WA5VLZ I think. Anyway I think they came from
his home page. However I find nothing about if mods to the HROs.

The old Wells Gardner BC348 serial 9397 just perks along. If I
weren't so tired I run Memphis Bell again tonight. I bought it at a
local grocery store for 6 bux a few weeks back. Yeah, Yeah, I know
its awfully hollywoody but I like it anyway. For those keeping score
the 348 cost 50 and the HRO was 125. Whatever, I'm happy thats all
that counts.

73 de KS0F

P.S. I cant get over how well the old HRO copies ssb on 20.

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996

From: Andy Wallace <wallace@mc.com>
Subject: I bought Pig-Pen's radio! [RCA AR-88]
Message-ID: <9607221146.AA08897@taku>

Remember Pig-Pen from the Peanuts comic strip? I just bought his shortwave receiver.

Chris Sieg from NH showed me a couple of AR-88s in his store last month. I was interested in this one because the price was good and it seemed a likely candidate for restoration. Well, I waffled on it several times but insanity finally shined through and I bought it.

It looks like a worthy project, but WHAT a cleanup job I have in store for me.

The big oil cap on the chassis was damaged when someone laid the receiver on its back. Be careful -- unlike the SP-600, there's no protection for components when the set's out of its case. Anyway, the cap has leaked (non-PCB from what I've heard) oil over most of the chassis. I'm going to have to find something safe to clean this off with.

However, the dials and front panel look OK, and I even lucked out in that the meter is an original. The knobs should clean up also.

The RCA emblem in the center is rusty. Anyone got a spare? I forgot to measure it but it looks about 3/4" wide.

I'd also like a cabinet and a matching speaker...

I'll keep the List informed of my progress on this one, but since the HQ-170 is back to life, the AR-88 is NEXT!

73,
--Andy
wallace@mc.com

P.S. The other AR-88 of Chris' may be reserved for another BAer. But I will give Chris' info (no affiliation):
c_sieg@conknet.com
www.conknet.com/piexx <-- some pics of in-store radios,
but according to Chris he needs to update it....

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: integrat@usr.com
Subject: Re: Lacing cables - IT'S NOT DEAD YET!!!
Message-ID: <1F3DAF70.@usr.com>

>Western Electric people used ton's of the stuff in installing equipment
>in the Telephone offices of the world...
>Things don't get done with that much care anymore now that WECO is an
>outfit from the past. Like lots of other tasks nowadays, Quality has
>slipped to the side...

USR won a contract not too long ago to build the equipment for AT&T's
Internet expansion. Yes, you guessed it - they want the signal cables
bundled with 9-ply wax tie wrapping.

I suppose I better look up what a WECO knot is...

William Donzelli
integrat@usr.com

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: ZI076@ccmail.ceco.com
Subject: Lost my (boat)Anchor?
Message-ID: <9606228380.AA838064045@ccmail.ceco.com>

What happened to the list? Nothing heard in four days!

Chuck ai3o

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Manual for HW-16
Message-ID: <Pine.GS0.3.93.960721112057.26666A-100000@uhunix5>

Someone@somewhere posted a list of manuals FS including one for an HW-16.
Yesterday I become the proud owner of a 16 so I am in need of a manual
for it. If that person (or anyone) has such a manual please please please
contact me!

73 from Hawaii,
Jeff KH2PZ / KH6
jherman@hawaii.edu
dit dit

NNNN

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: Meter movments FS cheap
Message-ID: <960722115340_75121.100_FHI41-2@CompuServe.COM>

Gang, with all the hoopla lately about selling here, I was a little reluctant in posting this, but I'm posting it anyway. I've already provided a couple for projects and noticed that I have way too many.

Prices are \$5.00 plus shipping, any quantity as is. As is means I don't want to test them. If they don't work, I will of course replace them if there are more, or return the individual cost, less shipping.

Meters galore--key "Rd" means round hole.

1. Rd 2.1" API Inst Mod 25-3642-2503, 0-200 ADC fs=100 ua shielded
2. Rd 2.1" A&M Inst Mod 266055, 0-300 Amps AC, fs=5 Amps Ac
3. Rd 2.75 API Inst Mod 37-5069-0000, 0-3,0-30,0-300ma square face
4. Rd 1.5" A&M Inst Mod 135-159, 0-100 +\ - center square face
5. Rd 1.5" PhaOstron Mod 611-518, 0-300 VDC MR13W300VDCVVR sq face
6. Rd 1.5" PhaOstron Mod 611-E311, 0-100 +\ - yds\sec fs=1ma DC
7. Rd 2.1" A&M Inst Mod 265-420, 0-15 KVDC fs 1ma DC
8. Rd 2.2" PhaOstron Mod 621-119, 0-500 VDC, MR26W500DCVAR
9. Rd 2.8" Gen Elect. Mod ABW-200,D0-43 0-10 Amps RF, used
10. Rd 2.1" A&M Inst Mod 265-390, 0-100 DC uamps MR26W100DCVAR
11. Rd 2.1" EIL Inst Mod A11188 0-1.5,0-50 amps fs=1ma
12. Rd 2.2" PhaOstron Mod 621-303, 0-2 Amps DC, MR26W002DCAAR
13. Rd 2.1" A&M Inst Mod 265-140, +20, -10A, charge\disc. fs=25-0-50mv
14. Rd 2.75" Weston Mod ? Ctr reading +20,0, -20
15. Rd 1.5" Barnett Inst Sq face like simpson 260---0hm scale green,
0-10, 0-50, 0-250 DC black, 0-2.5, 0-10, 0-50, 0-200 AC Blue
16. Rd 2.1" Mod HS2Z fully sealed 0-5maDC
17. Rd 2.8" A&M Inst Mod 366 (3ea) 0-150 VAC MR36W150VACVVR
18. Rd 2.1" A&M Inst Mod 265-420 (3ea) 0-15kv DC fs=1madc MR^W015DCKVR
19. Rd 2.1" JBT Inst Mod 21-FHXX 60 cy meter vib reed type
20. Rd 1.475" Magnavox db meter Mod 163 -12 to +22 db 1mw into 600 ohms
Made by INternational Inst square bezel
21. Rd 2.1" A&M Inst Mod 265-450 0-20kvDC MR26W020DCKVR fs=1ma
22. Rd PhaOstron Mod 629-915F (2ea) 0-150VAC MR26W150AFVVR rear +\ -
23. Rd 2.25" Simpson Mod 1227 ctr reading +\ -3 fs=200ua square face 2.5"
used by EIL Instruments Co. pt# 142C526H01
24. Rd 2.1" EIL Inst Mod A11186 Pt#138C440H02 fs=1ma arbitrary scale
25. Rd 2.1" Weston Inst Mod 2521, Pt#331C147-H03 fs=20uaDC arbitrary scale
26. Rd 1.5" A&M Inst Mod 135 0-100 VDC, MR13W100DCVVR

27. Rd 2.1" A&M Inst Mod A11187 PT#138C440H03 VSWR 1.0 to 2.0 fs=1ma
28. Rd 2.1" EIL Inst Mod A11185 PT#138C440H01 0-.2A, 0-5A fs=1ma
29. Rd 1.5" A&M Inst Mod 135-188 sq face 1.5" 0-100uaDC MR13B100DCUAR
30. Rd 2.1" A&M Inst Mod 265-485 m0-20KVDC fs=1ma MR26W020DCKVR
31. Rd 2.7" Essex Inst Mod A578-1300 60-400Hz 0-150,0-300VAC fs=150VAC
32. Rd 2.8" Metermod Inst #MMI9668, 0-10, 0-50 watts, fs=25uaDC
33. Rd 1.5" Jewel Panel Inst #MS1T 0-150VDC, sq face 1.5" (2 ea)
34. Rd 2.1" Wacline 2453 Mod ADA fs 150 VAC 400 cycles
35. Rd 2.2" API Inst Mod 2550 @25-3602-1501, 0-100 uaDC shielded
36. Rd 2.75" Weston Inst Mod 1533 0-2.5ma DC Thermo type
37. Rd 2.7" HP 320-06803, HP112-95 -10 to +3 dbm 50ohms 0-3,0-1 VAC
38. Rd 2.2" GE Meter marked PHILCO no scale, 2\3 red last 3rd green
39. Rd 2.2" Simpson Mod 126 0-1.0ma DC MR25W001DCMA
40. Rd 2.2" Simpson Mod 136 0-5Amps RF MR25W005RFAM
41. Rd 1.5" Simpson Mod VU meter lower range 0-100, upper -20--0---+3
42. Surface Weston meter/relay Mod 813 ext activation needle is contact.
43. Datcon elapsed time meter, 4-50 VDC 0-9999 hrs and 10ths of hrs.
44. Rd 2.7" TMC Mod MR170 0-10.0 KW (blk) 1.2 to 2.5 SWR (Red)4"x5" sq
45. Rd 2.2" no name 2.5" x 2.75" 0-60 Amps DC (2ea)
46. Rd Waite Inst Mod H31 (BA meter)0-10 (red) 0-100 (blk) KV(load on)
47. Rd 2.2" Marion Elect Mod HS2 0-100 ua
48. Rd 2.75" Rucker Co. Heavy cast metal, some chrome. 0-100% fs-90VAC
49. Rd 2.75" Simpson Mod 56 0-75ma 0-45 (good),45-60 (fair),60-75 (bad)
50. Rd 2.75" Weston Mod 425 0-1amps RF Freq effect less 2% 0-65 mc
51. Rd Simpson mod 47 0-3.0 VAC rect type 2000ohms\volt redline at 1.0v
52. Rd Sun Mfg Co Mod 2AU346 0-300 VDC MR25W300DCVV
53. GE time meter Mod 8KT8Y21 115VAC 60cy 0-99999 hrs w\type B8 sync motor

end of list

=====

Still looking for a manual for the Navy SRT-13 transmitter
(full height 19" racktype transmitter (and associated coupler.)

=====

Regards from Hawaii,
Raymond J. Cote

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
 From: john <johnmb@borg.mindspring.com>
 Subject: Moving, T125's,811's, HT18 and Millen
 Message-ID: <2.2.16.19960721202523.293f5e80@pop.ral.mindspring.com>

.whew! Did I get it all?

In a break from moving 15 BA transmitters, and about 9 receivers to my new house (down 20 stairs, and up 14 stairs to the parking lot... but who 's counting?) I took a ride to nearby Greenville and picked up a 6' rack containing a HB AM transmitter consisting of 811's modulating a pair of Taylor T125's. Although the Mod transformer is missing (boo!) all the rest is there, including a HT18 used as a VFO and a little Millen exciter...

..At least that's what I think it is... rack panel mount, about 6" tall, 2 meters, and a horizontally mounted 807 (I think) in a socket shielded about 3" tall... does that ring a bell? Also a box of plug ins coils and spare tubes, dow-key relay, and lots of other goodies....

I seem to remember Jim Hanlon writing a article on the Millen rig in ER... I'll have to dig that out of the packing boxes when I begin that phase of the move. The Thordarson cast iron end-bell transformer-based PS is intact, as is most of the rest of this big thing. It musta been a powerhouse in its day. Does anyone recollect seeing 811's>>Taylor T125 based rigs documented anywhere? I would really like to get this going someday...

I look forward to meeting more of you on the air this fall, given that I have a 450' deep lot full of hardwood trees to put wires in (and a contract allowing the installation of same!!). I had the builder install conduit for cable running and grounding, and am anxious to burn some holes in the ether soon.

If anyone has hints on the likely origin of this mondo transmitter, or a schematic / manual for the HT18, I'd be anxious to hear from you!

Best 73,
/John

PS: Does the transformer type T-21M64 sound like a Thordarson Modulation Xfmr?

```
+-----+
|John Brewer johnmb@mindspring.com          |
|WB50AU/4          AMI #24                  |
|Vintage Gear web page: http://www.mindspring.com/~johnmb/ |
+-----+
```

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>
Subject: Re: Moving, T125's, 811's, HT18 and Millen
Message-ID: <960722011008_102452.362_DHT95-1@CompuServe.COM>

John,

The Millen exciter you describe is the 90800. It requires plug in coils for band changing. The 90801 had a 6146 in the final and was bandswitching. They were both based on an ARRL handbook design from the 50's. I have a transmitter that is shown on my home page that uses a Millen exciter. It should not be difficult to determine what impedance modulation transformer you need. A pair of 811's running at 1500 volts have a plate impedance of 17,600. The T-125 Taylor tubes will run about 600 watts of carrier full bore but the 811's would not be adequate to modulate it. Depending on the voltage and current the secondary modulation impedance is probably in the 6,000 to 8,000 range so a 2 to 1 ratio modulation transformer would be in order. Ideally a multimatch 300 watter would do the trick.

I think that I have a copy of the schematic on the Millen exciter.

Check out my 4-125A transmitter with the Millen exciter at:

<http://ourworld.compuserve.com/homepages/sweetbay>

Are you in Greenville, South Carolina? If so, I know a very knowledgeable AM-er who lives there who might be of assistance to you.

Regards,

Andy Howard, WA4KCY
Carrollton, Georgia
AMI #9

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: Lrware@aol.com
Subject: National S meter switchs, was (Re: dumb HRO question)
Message-ID: <960721182108_242468940@emout18.mail.aol.com>

In a message dated 96-07-21 15:27:22 EDT, tomrice@netcom.com writes:

> I've always wondered why National put a switch
> on the S-meter on these receivers. I've never
> seen that done anywhere else, National or otherwise.

My National NC-120 also has a switch to turn the S meter on or off... I'm not sure what good it's for either. Any of you National guru's out there want to explain the reasoning behind this?

-Larry Ware
lrware@aol.com

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>
Subject: Re: National S meter switchs, was (Re: dumb HRO question)
Message-ID: <960722004412_102452.362_DHT30-2@CompuServe.COM>

I'm thinking that the switch is there to turn the S-meter off in case of very strong signals that peg it out. This would be especially useful on SSB signals which cause the meter to fluctuate wildy. Kind of like some of the older plate meters. On CW you would put the meter function switch on grid instead of plate to keep it from bouncing around.

That one theory. I am sure there are others.

Regards,

Andy Howard, WA4KCY
Carrollton, Georgia

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: Sheldon Wheaton <swheaton@sky.net>
Subject: Re: National S meter switchs, was (Re: dumb HRO question)
Message-ID: <Pine.GS0.3.93.960722103121.854B-100000@sky.net>

On Sun, 21 Jul 1996 Lrware@aol.com wrote:

> In a message dated 96-07-21 15:27:22 EDT, tomrice@netcom.com writes:
>
> > I've always wondered why National put a switch
> > on the S-meter on these receivers. I've never
> > seen that done anywhere else, National or otherwise.
>
> My National NC-120 also has a switch to turn the S meter on
> or off... I'm not sure what good it's for either.
> Any of you National guru's out there want to explain the
> reasoning behind this?
>
> -Larry Ware
> lrware@aol.com
>

On my 1936 vintage HRO, the S-meter runs off of the AGC level, so when using manual RF gain as a level control (with Audio gain set to max), the

meter quickly pegs as you reduce the RF gain control for a strong signal. I always disable the S-meter to prevent any possible damage when operating CW. It wouldn't be very usable on a CW signal anyway, as it would be bouncing around too much. Not sure if the same applies on all other National rigs.

73, Sheldon KC0CW swheaton@sky.net <http://www.sky.net/~swheaton>

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: Need: Singer Manual
Message-ID: <199607220227.VAA04012@legend.txdirect.net>

Help! Any of you fellow BAers know where I might obtain a manual for a Singer CSM-1 Service Monitor?

Thanks in advance.

73,
gary

```
*****
* <<<<<<<<<<<<<<<<<<< T00 many projects, NOT enough time! >>>>>>>>>>>>>>>>>>> *
* ---- Pack Unto Others As You Would Have Them Pack Unto You! <---- *
*                                                                 *
* Gary H. Harmon, Jr., K5JWK      gharmon@txdirect.net          *
* 6302 Robin Forest              K5JWK@K3WGF.EL09TN.#SAT.TX.USA.NOAM *
* San Antonio, TX 78239-3218      (210) 657-1549                *
*****
```

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: aa4rm%amos@mathcs.emory.edu (AA4RM's)
Subject: Olympic BA exhibit
Message-ID: <9607230343.AA01550@amos>

A ham pal and AWA member is edit suite chief for Atlanta Olympic Broadcasters (AOB). His boss is a ham & a collector too.

Another AOB employee has set up a little TV museum in one of the three World Congress Center halls used for the 40 broadcast unions licensed to operate there from AOB feeds.

In it, among things, is a pre-WW2 EMIttron tube (Farnsworth image disector) 200 line, 50cps camera, a 1937 Philco BC rx, etc.

Though not possible, wouldn't an afternoon of operation from there on 14286 am be considered fun for us Viking drivers? Especially in light of the following RUMOR.

The ARRL marched in to the local science museum and proclaimed it's ham site the official ARRL (oooooh) Olympic amateur stn, Olympic management said only THEY know what an official Olympic anything is... adoption of their name w/o license was amateurish - cease & desist.

So the official Olympic ham stn has been unmaned all week & one can only GUESS.

14286 am from the Olympic broadcast complex. Hope springs eternal.

MR

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: "Charles R. CHIP Veres 305-532-4515" <VERESC@mail.firn.edu>
Subject: RE: On the air--and going mildly BA-list QRT
Message-ID: <C668ZWKDM7HBC*/R=FIRNVX/R=A1/U=VERESC/@MHS>

A female broadcast engineer? I can feel my modem starting to hum already. If you happen to be single, please send private e-mail. If not, congratulations.

Chip Veres
WB40QN
veresc@mail.firn.edu

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: RE: On the air--and going mildly BA-list QRT
Message-ID: <Pine.GS0.3.93.960723063732.16738A-100000@uhunix5>

Hey Bobbi, Let's hope your husband doesn't read your email! Gee, he even included his phone number...

73,
Jeff KH2PZ / KH6

On Mon, 22 Jul 1996, Charles R. CHIP Veres 305-532-4515 wrote:
> A female broadcast engineer? I can feel my modem starting to hum already.
> If you happen to be single, please send private e-mail. If not,
> congratulations.
> Chip Veres

> WB40QN
> veresc@mail.firn.edu

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: lstolz@tekelec.com (Lynn Stolz)
Subject: Parting out Millen GDO
Message-ID: <9607221330.AA17014@london.oh.tekelec.com>

Folks,

My quest for a particular Millen LF coil for my GDO is complete: as a result, I have an extra Millen GDO, 3 extra LF coils (47602,47603,47605), and entire set of the regular coils that I'd like to part-out to anyone that could use them.

The Oscillator works, but shows lots of wear. I don't want to take it apart, so if anyone wants the meter, drum, etc., I'd like them to take the whole unit. The original manual is included.

I WILL separate the coils or sell as a set.

Send me e-mail on what you would like, and what you would offer for any of these pieces. To be as fair as possible, the highest bids received by Wednesday morning, the 24th will be shipped the parts. There is no minimum bid or maximum bid. All offers will be answered.

Lynn Stolz, N8AJ -- lstolz@tekelec.com

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: techni@netcom.com (harold meltzer)
Subject: Problem
Message-ID: <199607230012.RAA07902@netcom10.netcom.com>

Is there a technical problem ? Haven't received any messages from group for over twenty-four hours. Harold Meltzer

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: "Cathy Elizabeth D'Entremont" <cdent@tenet.edu>
Subject: QRZ Pinball Wizards?
Message-ID: <Pine.OSF.3.91.960722133509.30281A-100000@abernathy.tenet.edu>

Can someone re-enlighten me on the source for the CYG (Cover Your Glass) product used to repair cracks in meter/panel/pinball table glass/plexi? Thanks in advance & 73,
Gerald D'Entremont WA5TVM
cdent@tenet.edu

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Edward J. Zeranski" <ejz@nosc.mil>
Subject: R-203A, R-96/SR Mil radio search
Message-ID: <2.2.32.19960722204217.00745554@marlin.nosc.mil>

Mike Tara, a Mil Radio Collectors Grp list member, is looking an R-203 and an R-96/SR receiver. Xerox prints from a manual show two black crackle Signal Corps receivers. Mike doesn't have net access but can be reached at:

Mike Tara
4657 Eastview
Stockton, CA
209-931-6059

Any help or info would be greatly appreciated. Thanks again BA!

Ed Zeranski ejz@marlin.nosc.mil, work
ezeran@cris.com home
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!

This is a private opinion or statement and is nobody's fault but mine. No person, employer, or govt. should try to take credit for it!

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: n5off@w5ddl.aara.org
Subject: R-390A by Helena Rubenstein??
Message-ID: <422065@w5ddl.aara.org>

This message is in response to Dave Ross and Ed Zeranski, but I thought I'd post the reply as a few might be interested in the HR story.

Ed wanted to know when we'd build a 390A from scratch. Well, it might seem like a big task, but it would not be impossible to build your own frame and front panel, and use modules from Fair to complete a rig. With all the modules out for bathing and cleaning and a new frame, you'd have a nice rig.

Dave wanted to know more about the rumors of a Helena Rubenstein contract. Well, I can't personally confirm it, but I have attempted for a couple of years to navigate the FOIA offices at many govt and military branches, to no avail. Seems there is a six year requirement on keeping contracts, and they were all pitched. I did get more or less prompt reply on the six or seven FOIA requests I made so there is somebody out there.

What I do have is written hearsay from a ham who personally saw HR R-390A's in Germany. Here is a copy of his note to me.

73 de tom

=====HR 390A Relay=====

Message #61

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Jim Wilson-EJW012" <Jim_Wilson-EJW012@email.mot.com>
Subject: R-390A Hiss
Message-ID: <Macintosh */PRMD=MOT/ADMD=MOT/C=US/@MHS>

From: Wilson-EJW012 Jim on Sun, Jul 21, 1996 4:36 PM
Subject: R-390A Hiss

Folks,

Here is one that has plagued my spare R-390A for years. I keep a 'service record' book for each piece of equipment to document any work that I do on it. According to my notes, this problem began in June 1992. I recorded a 'Rushing/hissing noise when RF gain is advanced beyond about the "8" on the dial'. Well despite going back to it every 6-9 months since then, I have been unable to eliminate it.

The Conditions: Its there with or without antenna input, on AGC, MGC, or CAL (though overall noise level is reduced on CAL). It is present on all bandwidth settings, and on all bands. It also occurs with my HC-10 on the IF output, suggesting it is prior to this stage, OR it is common such as Cathode Bias, RF-IF B+ line, etc.

It seems like a 'white noise' type of hiss, and it seems to 'click' on as RF gain is advanced. If I look at the IF out on a scope a 455kc wave correlates with the audio hiss. It could be some form of 455kc oscillation and/or leakage. Back in '92 I probed around the IF module with a loop of wire (loose coupling), but I've never been sure if this was a coincidental artifact that I was seeing or if it was a good indicator of the problem. In fact, the frequency seemed to vary to as low as 350kc.

This radio does have the running mods to the Cathode Bias line on V201 (grounding pin 7), C257||C227, and R504 (1KR to 560R) so that Cathode Bias voltages and resistances are correct (when accounting for change in R504) at V501, V502, and V201. R103 (RF Gain) and C103 (RF gain bypass) are fine. BTW, changing R504 back to 1KR didn't help.

Over the years, I have, according to my notes, swapped out or disconnected (power and signal plugs) every single module to no avail. The radio is fully aligned, calibrated and all tubes checked. Setting of IF gain (R519) affects overall noise, but did not affect the onset point of this noise. Power supply filter caps have been replaced, and power supply solid-state rectifiers have been bypassed with caps.

Any insights would be greatly appreciated.

jim

Jim Wilson
3815 NW 72 Dr.
Coral Springs, FL 33065-2244
tel: 954-723-4532 (day); 954-341-3306 (eve)
fax: 954-723-5064
email: EJW012@email.mot.com

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: Morris Odell <morriso@vifp.monash.edu.au>
Subject: Re: R-390A Hiss
Message-ID: <199607220112.LAA02880@vifp.monash.edu.au>

Hi Jim and the gang,

> 'Rushing/hissing noise when RF gain is advanced beyond about the "8" on
the
>
> dial'. Well despite going back to it every 6-9 months since then, I
have
> been unable to eliminate it.
> The Conditions: Its there with or without antenna input, on AGC, MGC, or
> CAL (though overall noise level is reduced on CAL). It is present on all
> bandwidth settings, and on all bands. It also occurs with my HC-10 on
the
> IF output, suggesting it is prior to this stage, OR it is common such as
> Cathode Bias, RF-IF B+ line, etc.
> It seems like a 'white noise' type of hiss, and it seems to 'click' on as
> RF gain is advanced. If I look at the IF out on a scope a 455kc wave
> correlates with the audio hiss. It could be some form of 455kc
> oscillation

This is a classic description of oscillation somewhere in the RF/IF chain. It starts with a click as the gain increases past some critical point as you advance the gain control and then manifests itself as "superregen" type

noise. It's obviously at a frequency where there's no obvious beat.

Possible causes:

1. Faulty bypass somewhere in the AGC or RF gain lines
2. Faulty tube - try step by step substitution
3. (rare) a wiring error so that some stage is not properly bypassed or supplied with AGC
4. You could try step by step tube removal to try and isolate a stage responsible for oscillation, although it could be happening in several stages at once as a result of unwanted feedback over several stages.
5. Try adding temporary bypasses at various places including AGC line, B+, RF gain line etc.

Let me know how you get on as I've had similar problems in the past, usually helped by one or more of the above measures.

73

Morris Odell VK3DOC Melbourne, Australia
morriso@vifp.monash.edu.au
<http://www.vifp.monash.edu.au/CFM/staff/mo.html>
Waffling for myself and not my employer.....

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: n1pg@n4yrz.va.usa.na
Subject: R-390A RCVRS

Path: N5UXT!W5KSI!K4CJX!W4NPX!N4YRZ

From: N1PG@N4YRZ.VA.USA.NA
To : N50FF@K5ARH.LA.USA

Hi, Tom:

Read your bulletin ref R-390A's with interest. I am retired from the Navy, 24 years service in electronics. In 1956, I conducted the first field test on the Collins R-390 (not 390A), so have had a long-time interest in that series. Used and maintained and repaired R-390/R-390A until I retired in 1975.

The most unusual R-390A that I ever saw bore a builders label

indicating that the Manufacturer was Helena Rubenstein (the cosmetic maker). Regret that due to passage of time, and lost correspondence/notes, I am not able to identify better than the manufacturer.

In 1960, I was stationed at the Naval Security Group Activity, Bremerhaven, Germany, in the Research and Development Department. We received 3 R390A's Bearing the Helena Rubenstein label. I do remember that it was a Navy Contract, as opposed to Army, AF, etc.

The label was so unusual that I wrote several letters to track down the story. Here's what I got from a friend at Collins Radio, the original developer. Rubenstein decided to diversify into electronics, and since military contracts was where the money was, they bid on a contract for 80 R-390A rcvrs. At that time, they did not have on their staff a single electronics engineer, so they bid a ridiculously low price. Low Bidder won! Then they hired an engineer to set up an assembly line. He told them how much the whole thing would cost and they almost fainted. Rather than spend the money, they bought 80 R-390A's off the shelf from Collins for some exorbitant price, put their own labels on them, delivered them to the Navy and promptly forgot about going into electronics.

I'm sorry I cannot provide any further info about this batch of R-390A's but thought you might like this info as a sidelight on the History of the receiver.

73
Harry
N1PG

Still Wanting: BC-348 New Condition
Keeper of Collins receiver contract data for BA.
Reply to: n5off%w5ddl.aara.org@usl.edu
Phone 318-989-3430

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: george.rybicki@lerc.nasa.gov (George Rybicki)
Subject: R390a Military Mods?
Message-ID: <v01510100ae1a792c457b@[139.88.134.25]>

I have an Amelco 390A with an USAF label on the back. The label is titled "record of modifications".
Two mods are listed MB-442 (31-Aug-1966) and MB-443 (6-May-69). Anyone know what these mods were?

Thanks George

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: "Charles R. CHIP Veres 305-532-4515" <VERESC@mail.firn.edu>
Subject: RE: Resistor question & amp wanted
Message-ID: <C699ZWKDM1H04*/R=FIRNVX/R=A1/U=VERESC/@MHS>

IMHO, the film types drift less than the carbon composition, so the problem is less likely to recur. Metal films are very slightly inductive, but shouldn't be a problem in the sizes for a receiver. Go for it!

Chip Veres
WB40QN
veresc@mail.firn.edu

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: Resistors
Message-ID: <960722115332_75121.100_FHI41-1@CompuServe.COM>

I have many resistors, carbon composition type, all new, in 1/4, 1/2, 1 and 2 watt sizes. Most in excess of my needs. Since resistors are so cheap, these will be available for 1 stamped SASE for a few and a 2-stamped SASE for more than 6. State your value and wattage. Many I have not been able to get here in Hawaii due to large values and wattage.

Offer good as long as I have resistors or until I get complaints that I didn't send enough or I didn't have enough to go around.

=====
Still looking for a manual for the Navy SRT-13
(full height 19" rack) transmitter (and associated coupler.)
=====

Regards from Hawaii,
Raymond J. Cote

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: integrat@usr.com
Subject: Re[2]: glass lenses
Message-ID: <1F37CC20.@usr.com>

--IMA.Boundary.077040838
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

The one looking for Navy lamp lenses would be me.

William Donzelli
integrat@usr.com

--IMA.Boundary.077040838
Content-Type: text/plain; charset=US-ASCII; name="RFC822 message headers"
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Disposition: attachment; filename="RFC822 message headers"

Received: from usr.com (mailgate.usr.com) by robogate.usr.com with SMTP
(IMA Internet Exchange 2.01 Enterprise) id 1F167790; Sat, 20 Jul 96 18:10:49
-0500

Received: from coyote.rain.org by usr.com (8.7.3/3.1.090690-US Robotics)
id SAA22770; Sat, 20 Jul 1996 18:05:22 -0500 (CDT)

Received: from localhost (rmote@localhost) by coyote.rain.org (8.7.5/CSE/NC)
with SMTP id QAA18060; Sat, 20 Jul 1996 16:06:14 -0700 (PDT)

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996

From: hagelin@magi.com (Richard Brisson)

Subject: Sale in Ottawa !

Message-ID: <199607222354.TAA09181@istar.ca>

Fellow boatanchorites -

I believe there may be a FEW of you interested in the following. There is a fellow here in Ottawa who is having a sale on a variety of stuff (800 items or so). Gord Symonds belongs to the same radio club as I do. I include a sampler of what he has below and if you are interested, you can either contact him directly or I can send you his list. Be forewarned that there are two files at about 90K total ! I hope that not ALL of you will be interested :-)

>
> *** Radio/Electronic/Miscellaneous Material For Sale ***
>
>Over 800 different items of very good "stuff" (no junk) for sale, ranging

>from 1914 radio test equipment to 1992 microprocessor development hardware.
>Includes an extensive array of early General Radio parts and instruments.
>The emphasis is on stuff for the home builder/experimenter and early battery
>set parts (some very early). There is a lot of hard-to-find material,
>something for everyone (some surprises, too!).
>
>Prices are low for quick sale. The order procedure is "no hassle"
>as in my previous tube sale, with the same 100% guarantee.
>
>US orders shipped UPS from Ogdensburg, NY to minimize delays and cost.
>Email bk296@carleton.freenet.ca for list (90k bytes) or send \$1 for
>printed or diskette copy (refunded with order) to:

>Gordon Symonds
>26 Ossington Avenue
>Ottawa, Ontario Canada
>K1S 3B4
>(613) 730-2198 (evenings after 7:00 PM or weekends only)

< (SNIP)
< (CATEGORIES)
<AC Power> ...
<Audio Amplifiers> ...
<Audio Transformers and Chokes> ...
<Autotransformers> ...
<Bakelite> ...
<Batteries> ...
<Bulbs> ...
<Chasses and Cabinets> ...
<Construction Kits> (Hammarlund 1935 & Silver-Marshall 1920's)
<Filter Chokes> ...
<literature> ...
<etc !>

That's it gentlemen ... I have run out of "cut and paste" patience.

Regards,

Richard.

P.S. Now looking not just for TM11-484 and TM11-485 but for TM11-480 !

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
Subject: Sell Collins Kwm2a RE

I have for sale a late collins kwm2a with 516f2 power supply
real clean comes with original manual best offer email only
tnx Guy

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: Storing BA's
Message-ID: <Pine.ULT.3.91.960722204701.1825C-1000000@dua150.kpt.emn.com>

On Sun, 21 Jul 1996, Roland Geter asked about storing his BA's in desert conditions.

> I am sure there are recommended storage temperature and humidity levels.
> Since I live in the Arizona desert I am sure excessive humidity will not be
> a problem that would affect electrolytics or transformers. Please consider
> the following:

Actually high humidity helps electrolytic capacitors; it hurts almost everything else.

> Temperature outside the units get up to 110 degrees with under 5% humidity
> levels most of the year; perfect evaporative (swamp) cooler conditions. One
> month per year (August) we experience humidity above 60% (freon AC conditions).

Temperature within the storage area is what is important. The closer you can get to moderate temperatures (65-75 F, ~20 C), the better but temperatures of up to 110 F should not be terribly damaging. Some plastics will become brittle as they lose plasticizer (mainly vinyls); keeping this plasticizer off everything else may be a problem. Look at the windshield of a new car after parking it in the sun. The goo on the inside of the windshield is plasticizer from the vinyl.

Low humidity will still be the best condition - even if it does age electrolytic capacitors slightly.

If you have enough thermal mass inside the storage area and enough insulation between it and the environment, the inside temperature will be

the yearly average of your area (caves are like this). But getting enough insulation will be difficult. [I once did a finite difference solution for the problem of determining how much insulation is needed to keep a pipe from freezing if the outdoor temperature is 35 degrees F +/- 15 F in a daily sinusoidal fashion, the simulation included conduction and convection but not radiation. It is not such a simple problem.]

Perhaps by drawing in cooler air at night, you might be able to maintain reasonable temperatures in the daytime. In any event, you have an interesting problem. I hope others here contribute some suggestions too. Here in East Tennessee, I don't know what low humidity is even like (except the time it got to -24 F)!

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Tektronix 551 Cable and Manual Needed
Message-ID: <199607221438.JAA26535@dlep1.itg.ti.com>

Greetings,

I had a weak moment at the swap meet Saturday in Fort Worth and picked up a wayward Tektronix 551. Cosmetically, it's nice and inside there is no obvious indication of damage. It came with roll-around cart and power supply but is missing the interconnecting cable to the power supply. The seller didn't know whether it worked or not. (I'm optimistic considering its condition. ;-)) Stan says that a 555 cable will work as well.

Anybody got a 551 or 555 power cable they'd be willing to part with? Also I'm interested in buying a 551 manual or swapping a 549 manual for it.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: "Hal R. Waite" <halwaite@netcom.com>
Subject: The "Radio Handbook" and the 1L6 Tube

Message-ID: <Pine.SUN.3.91.960722091900.8717A-100000@netcom19>

I will post a short list of the boatanchors that were available at the Flagstaff (Ft. Tuthill) Hamfest this year at a later date; most went unsold despite prices that were not unreasonable.

There is increasing interest in the "Radio Handbook" which I believe was far superior to the ARRL Handbook during boatanchor days, especially in the 1930's. I have now completed my collection through the Twelfth Edition with some later editions. The premier edition seems to be the Second published in 1936 as the Frank Jones Radio Handbook: enough information and old-time projects to last many years. I had found only one individual who had even seen a copy of the First Edition which was printed in small quantity to test demand for this type of publication. Thanks to this individual, I now have a copy of this edition.

The authors of each section are identified with an extensive section given over to Frank Jones' work in the 5-meter band (he was represented to be the designer of the 5-meter equipment used during the construction of the San Francisco Bay Bridge). This section also treats the use of the RCA-954 Acorn Pentode in the 1/2- and 3/4-meter bands.

The Knight 2-tube "DX-ER" is described together with several versions of the "Gainer" and the "222" Amateur Superheterodyne. Transmitters include the Jones All-Band Exciter. There is an excellent discussion of link coupling and extensive data on copper tubing tank coils. Transmitters up to one-kilowatt power are detailed. This copy is in only fair condition but I believe that I have located a much better copy for my collection; if I acquire that copy I will offer my present copy to the BA crowd. There is only ONE First Edition and is a fitting completion to my collection. If desired, I can list all the early editions and addenda that I am familiar with in order to aid others in their searches.

The 1L6 is available (with persistence) from smaller sellers at hamfests. The present dealer-to-dealer price is \$10 with resale at \$15 for a new tube. I was fortunate enough to locate one new and one used (tested good) tube at Fort Tuthill. That seller had never heard of the 1U6 which has been mentioned as a possible replacement.

Hal Waite K4GFI/7 Las Vegas halwaite@netcom.com

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: lkayser@rideau.net (Larry Kayser)

Subject: TMC GPR-90 RX es HRO Senior
Message-ID: <199607231450.KAA18876@mail.peterboro.net>

Greetings:

I went by Ford's in Smiths Falls yesterday and noticed two new Boatanchors in the store.

The first was a nice clean GPR90RX, TMC radio, much talked about on this list in the past. Nice condition.

The second was a nice looking HRO Senior with the Glass Tubes, # 42, 6C6 etc. Power supply was original but has leaking pitch filled chokes, power transformer has been replaced by the look of it. All 7 coils were in the wooden box with one in the RX. Nice radio.

As usual, I have no connection to Ford's, I fight for a price just like you will.. Try (613) 283-5195 in the daytime....

Larry
va3lk / wa3zia

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: howellh@winthrop.edu
Subject: TR-6
Message-ID: <96072310372904@winthrop.edu>

WINTHROP UNIVERSITY

Electronic Mail Message
Date: 23-Jul-1996 10:34am EDT
From: Haney Howell
HOWELLH
Dept: Mass Communication
Tel No: 323-4534

TO: Remote Addressee (_smtp%"boatanchors@theporch.com")

Subject: TR-6

My TR-6 and outboard VFO arrived in great shape. Wouldn't you know the band would be dead on the great "fire-it-up" day.

I need the manuals or copies of same for both of these units. I remember the basic tuneup procedures from my TR4C days, but I want to double check the proper bias setting. Anyone check their book for me?

Haney <howellh@winthrop.edu> no2n

From boatanchors@theporch.com Tue Jul 23 06:16:59 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Re: use of "RJ"
Message-ID: <96Jul21.224310hwt.188961@uhunix5.its.Hawaii.Edu>

Does someone on the net know the answer to the following question? If so, please do a direct reply - the originator of the question is in the CC line so he should get your answer.

Jeff KH2PZ / KH6

-----begin included question-----
>Does any of you old timer CW people remember how the -RJ- originated?
>rj means on a commercial cw net to standby while I switch operators at
>my end of cct. Now I seem to remember that this was not pure
>international morse, it was something that got transferred over from
>continental morse by Railroad cw men. It was actually a corruption
>of the continental morse letters "co" I think but I cant figure out
>the correlation between continental and how it could ever come out in
>CW as we know it to result in "rj". The "co" originally meant also
>in railroad telegraphy "changing operators". Another example of this
>carryovers of continental morse is the "e e k" you hear often. It
>translates to "e e" is continental morse for letter o. And of course
>k is k in either form of morse. Answers please!.
> KH6JF

From boatanchors@theporch.com Tue Jul 23 12:26:55 1996
From: "Jim Berry" <basalop@eskimo.com>
Subject: Vintage gear for sale
Message-ID: <199607231528.IAA24754@mail.eskimo.com>

Below is one that came off the Ham packet network. If you are interested in any of this gear, please contact him, not me.

73 Jim K7SLI

From: K2QPR@N4XE0.#FTP.FL.USA.NA
To : SALE@ALLUS

Hi, I have the following gear for sale, NC 183, 6AG7/6L6 CW RIG BY
MICAMOLD VRY
RARE!!, RME Preselector, Military GRC 109 TX/RX/110/6VDC Pwr supply,
APEX Radio

[illegible]

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: Dave Hutchison <djhutch@cris.com>
Subject: Zenith Transoceanic Cloth
Message-ID: <2.2.32.19960721212426.00749acc@pop3.concentric.net>

Is there a source to buy replacement cloth, the black stuff, that covers the Zenith Transoceanic cases?

73's Dave Hutchison KW9U

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: "Cathy Elizabeth D'Entremont" <cdent@tenet.edu>
Subject: Re: Zenith Transoceanic Cloth
Message-ID: <Pine.OSF.3.91.960721171430.5525B-100000@abernathy.tenet.edu>

Dave (et al):

You may wish to try your local musician's repair shop. They stock, or have access to, Tolex cloth in black (and sometimes other colors). AES may stock this as well. Hope this helps.
73, Gerald D'Entremont WA5TVM
cdent@tenet.edu

From boatanchors@theporch.com Tue Jul 23 04:27:47 1996
From: k7yha@juno.com (richard h. arland)
Subject: Re: Zenith Transoceanic Cloth
Message-ID: <19960722.015659.4455.5.k7yha@juno.com>

On Sun, 21 Jul 1996 16:26:44 -0500 (CDT) Dave Hutchison
<djhutch@cris.com> writes:

>

>Is there a source to buy replacement cloth, the black stuff, that
>covers the Zenith Transoceanic cases?

>

Try contacting Dr. Harold Cones, 2 Whits Court, Newport News, VA.
He coauthored the book on the Transoceanics and regularly works restoring same. I don't have an e-mail but a quick call to area code 804 information will get his phone number.

73 rich K7YHA